## NIOSH PPT Program Evidence Package Aug 30, 2007

Appendix T B

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## **Respiratory Training Programs**

Appendix T includes a selection of entities with internet links demonstrating that they maintain a respiratory protection program for the reduction of their employees' exposures to inhalation hazards, or that they provide products and/or services to establish or maintain those programs. The listing is not intended to be comprehensive of all products or services available in the marketplace, but does serve as an indicator of the diversity of customers across the US economy that support or participate in the use of outputs and outcomes derived from the PPT Program.

Organization / Topic	URL	Remarks
Chemical Companies & Labs	5	
Brookhaven National Laboratory	http://www.bnl.gov/esh/shsd/sop/pdf/IH_SOPS/IH721 0.pdf	The purpose of this procedure is to document the role of BNL organizations in the delivery of services that lead to an effective Respiratory Protection Program.
Jefferson Lab	http://www.jlab.org/ehs/manual/RadCon-41.html	Respirators shall be issued only to personnel who are trained, fitted and medically qualified to wear the specific type of respirator. Training and qualification testing shall be performed as specified in the ESH&Q Manual Chapter 6630 Respiratory Protection . The use of respiratory protection for radiological controls sha be done in accordance with the Jefferson Lab respiratory protection program as specified in the ESH&Q Manual Chapter 6630 Respiratory Protection. 1/3/04
Respirator use in the chemicals and allied products manufacturing industry	http://www.chemweb.com/journals?type=issue&jid=18715532&iid=00130006	The Bureau of Labor Statistics (BLS) has determined that the chemicals and allied products manufacturing industry (CAP) had 3.5 cases of respiratory conditions per 10,000 full-time workers in 2002, as compared to 2.5 cases for all of private industry. 3/24/2006
The University of Texas at Austin Physical Plant / Respiratory Protection Policy & Procedures	http://www.utexas.edu/physicalplant/adminpers/safety policies/RespProtection.pdf	In order to control occupational diseases associated with such exposures, the Respiratory Protection Program primary objective is to inform employees on how to identify and evaluate respiratory hazards in the workplace, select/use appropriate protective devices for the particular hazard, and maintain and care for the respiratory protection. 7/1/2002
USDA/ARS Poisonous Plant Research Lab Respirator Management Program	http://www.ars.usda.gov/SP2UserFiles/ad_hoc/54282 00LaboratorySafety/Images/RESPPROG.pdf	This document shall be the PPRL Respirator Management Program, which will be made available to, and followed by, anyone required to use respiratory protection. 9/20/2005
Consultants, Education and Training	15	
3 M	http://solutions.3m.com/wps/portal/3M/en_US/Occupational-Health/Environmental-Safety/Training-Tools/Respiratory-Protection/Training-Courses/	3M offers comprehensive professional development courses to provide the most current information on respiratory protection, managing a respiratory protection program and applicable regulations. We offer training for the respirator user as well as for the respirator program administrator.
All Safety Products, Inc	http://www.allsafetyproducts.biz/site/323655/product/S AS%206000-25	Every facility utilizing respiratory equipment needs this manual. It includes operational procedures for properties of cartridge and supplied-air respiratory systems, forms for adherence to OSHA guidelines and tips to be ensure employees' use of respiratory equipment efficiently and safely.
Business and Legal Reports (BLR)	http://www.blr.com/product.cfm/product/79110400/funcode/WI01	This video explains the general requirements for an effective respiratory protection program. Use it to delive required HAZWOPER, Hazcom, or other OSHA required training on this important compliance topic. Explains how to get a good fit, test, wear, inspect, and maintain their equipment. But most important, how to select the right respirator to match the hazard present.
DuPont	http://www2.dupont.com/Safety_Products/en_US/inde	DuPont safety methodologies and techniques have been successfully applied throughout our many worldwid locations and have helped thousands of companies realize extremely low injury and incident rates on the job
Elsevier Practical Guide To Respirator Usage In Industry	http://www.elsevier.com/wps/find/bookdescription.cws home/677389/description#description	This new edition outlines the design and implementation of an effective respiratory protective equipment program for industries in which workers are at risk from inhaled particulates, toxins and other hazardous materials. 5/1/02
Enviroair Consultants, Inc	http://www.argus-group.com/enviro/envresp.htm	Enviroair Consultants provides complete Respirator Program services to aid those companies that have a responsibility to provide respiratory protection to employees and to maintain respirator equipment integrity. The following briefly describes our current Respiratory Program.

## **Respiratory Training Programs**

Organization / Topic	URL	Remarks
Envirocare Consulting Services, Inc	http://envirocareconsulting.com/industrialhygiene.htm	Envirocare's staff can meet the many challenges that face company's who must manage industrial hygiene work practices. Envirocare has the technical equipment needed to facilitate a timely response to a customer industrial hygiene needs.
Hanford Atomic Metal Trades Council (HAMTC)	http://www.hanford.gov/reach/viewpdf.cfm?aid=290	At the Volpentest HAMMER Training and Education Center, workers practice daily how to cope with situations like unexpected loss of supplied air. Just as first aid courses prepare each of us for unforeseen emergencies, HAMMER instructors teach workers to respond to unanticipated respiratory situations swiftly and confidently.
KTA-Tator, Inc / Coatings and Corrosion related products and services	http://www.kta.com/services/compliance%20programs htm	KTA can prepare a Corporate Safety and Health Program, under the direction of a Certified Industrial Hygienist. Specifically, the program contains specific policies, rules and guidance relative to each of the general areas: Personal Protective Equipment (including respiratory protection)
MSA	http://media.msanet.com/NA/USA/APR/Conventionall MaintainedRespirators/ComfoClassicHalfMaskRespirators/1000-61KeyElementsResp.pdf	MSA can help you take a comprehensive approach to sound Respiratory Protection approactices. This guide will help you understand the need for respirators, how they work, and what their limitations are. 4/1/04
Ninyo and Moore	http://www.ninyoandmoore.com/ih_rp.html	Ninyo & Moore is experienced with designing respiratory protection programs and seeing them through to proper implementation. 2006
Respiratory Protection in the Workplace A Practical Guide for Small-Business Employers	http://www.dir.state.ca.us/dosh/dosh_publications/res iratory.pdf	Respiratory Protection in the Workplace: A Practical Guide for Small-Business Employers was developed a prepared for publication by the Cal/OSHA Consultation Service, Research and Education Unit, Division of Occupational Safety and Health, California Department of Industrial Relations.
Twin Ports Testing, Inc / Industrial Hygiene Services	http://www.twinportstesting.com/ihyg.htm#respirator	Twin Ports Testing personnel can draft a respiratory program specific to your organization, conduct the initial fit testing and respirator use training, as well as provide annual fit testing, respirator use training, and programaintenance thereafter.
USA Safety Supply	http://www.usasafetysupply.com/custpage.asp?src=custpages/services.htm&title=Services	USA Safety Supply employees are experts in providing proper service and training for all of your safety needs. We provide service and training for respiratory programs and many others.
W. F. Biggins Associates, Inc	http://www.wfba.com/Std_svcs.htm	We perform services to achieve compliance with many regulations, but some needs arise more often than others. Since we do carry out these services more frequently, they might be considered 'Standard' services.
77 0 1 1 17 1		
Manufacturing and Labor	http://www.polygrathono.org/o.oni/oog.com2CID=995	CPI developed a Model Respiratory Protection Program. The program, divided into ten steps, provides user-
Center for the Polyurethanes Industry	http://www.polyurethane.org/s_api/sec.asp?CID=8858 DID=3561	friendly documents for facilities and guidance on appropriate respirators, respirator use, storage, fit and evaluation. 2007
City of Kettering, Ohio	http://www.ci.kettering.oh.us/newweb/pdfs/human_resources/safety/RespiratoryProtectionProgram.pdf	The purpose of a respiratory protection program is to ensure the protection of all employees from inhaling hazardous chemicals in the air. Chemicals can be in the form of gases, vapors, mists or dust. Respirators are be used only when engineering control of respirator hazards is not feasible, when engineering controls are being installed or in emergencies. 8/1/06
Foundry Management and Technology	http://www.foundrymag.com/full_story.php?WID=1630	The number of indicators of potentially inadequate respiratory protection programs in Primary Metal Industries demonstrates a need for improvement. It is the obligation of each establishment to evaluate its own respiratory protection program with respect to the OSHA requirements, and NIOSH recommendations and make appropriate changes. Apr 07

Organization / Topic	URL	Remarks
Indiana Department of Labor	http://www.in.gov/labor/insafe/respiratory.html	No booklet can cover every situation in the workplace where respirators should be worn. Nonetheless, this booklet presents considerable information on respiratory equipment and complements the relevant safety and health regulations and manufacturers' requirements.
Kenai Peninsula Borough, Alaska	http://www.borough.kenai.ak.us/RiskManagement/resratory.htm	The Borough Safety Manager, Dennis Tidwell, coordinates the District's Respiratory Protection Program and its responsible for identifying respiratory hazards, recommending controls for reducing respiratory hazards, planning employees about specific respiratory hazards, and specifying and fit-testing respirators for employees who need to use them. The District's Nurse Coordinator is responsible for assessing the medical fitness of employees who use respirators on the job.
KTA-Tator, Inc / Coatings and Corrosion related products and services	http://www.kta.com/services/compliance%20programs	KTA can prepare a Corporate Safety and Health Program, under the direction of a Certified Industrial Hygienist. Specifically, the program contains specific policies, rules and guidance relative to each of the general areas: Personal Protective Equipment (including respiratory protection)
Metal Producing and Processing	http://www.metalproducing.com/full_story.php?WID=1	National Institute for Occupational Safety and Health researchers study employer-survey data to determine the application of respirators — and discover a widespread need for improvements in the manufacturing sector. Mar 2007
Montana Department of Labor & Industry	http://erd.dli.mt.gov/safetyhealth/brochures/respiratorypdf	Compliance with the requirements of this policy is a condition of employment and will be strictly enforced under the referenced disciplinary procedure.
North Carolina Department of Labor	http://www.nclabor.com/osha/consult/sampleprograms RespiratoryProtection.pdf	This sample program is provided to assist you as an employer in developing programs tailored to your own operation. We encourage you to copy, expand, modify and customize this sample as necessary to accomplish this goal. 6/27/05
Respiratory Protection Program for Auto Refinish Shops - Final	http://www.epa.gov/dfe/pubs/auto/respirator/rpp.pdf	The purpose of this document is to assist auto body shops in developing a respiratory protection program that protects the health of their employees and meets the requirements of OSHA's Respiratory Protection standard 29 CFR 1910.134. 11/10/2002
Texas Workers' Compensation Commission	http://www.saftek.net/pdfs/wp_resp.pdf	The following information provides supervisors with a basic knowledge of respiratory protection as well as a working knowledge of the process of developing an effective respiratory protection program. 7/1/03
Washington State Department of Labor and Industries	http://www.lni.wa.gov/Safety/Topics/AtoZ/RespProtecon/default.asp	In Washington State, the requirements for all other industries relating to respiratory protection have been imoved to Chapter 296-842 WAC, Respirators, and Chapter 296-841 WAC, Respiratory hazards. Extra respiratory protection requirements may apply if your workplace is covered by other health & safety standar addressing contaminant-specific or industry-specific work.
Healthcare	3	
BarnesCare BJC Healthcare System	http://www.barnescare.com/barnescare_content.aspx d=1329	This core policy sets forth the minimum standards that must be met at each BJC entity with respect to the Respiratory Protection Program. Each BJC entity shall adopt a written policy that meets these minimum requirements. The adopted policy may also contain provisions beyond these minimum requirements, as long as the additional provisions in no way conflict with or abrogate the terms of this core policy. 4/1/02
MeritCare Health System Fargo, ND	http://www.meritcare.com/specialties/occupational/selices/respprotection.aspx	A trained program administrator must oversee and evaluate the respirator program. The administrator must builtably trained and have the appropriate accountability and responsibility to manage the full respiratory protection program. 2007
Minnesota Department of Health	http://www.health.state.mn.us/divs/idepc/dtopics/infeconcontrol/rpp/	iThe purpose of this program is to ensure that all employees required to wear respiratory protection as a condition of their employment are protected from respiratory hazards through the proper use of respirators.

Organization / Topic	URL	Remarks
Construction Michigan (MIOSHA) / Chromium (VI) Exposure in Construction and General Industry	http://www.michigan.gov/documents/cis/wsh_constfac_ hexavalent_chromium_178567_7.htm	The MIOSHA Part 604 and Part 315 apply to construction work and general industry work, respectively, where employees may be exposed to Cr (VI). Unless otherwise stated, the following requirements apply to both construction and general industry.
North Carolina department of Labor / A Guide to Lead Exposure in the Construction Industry	http://www.nclabor.com/osha/etta/indguide/ig6.pdf	In the construction industry, respirators must be used at times to supplement engineering controls and work practices whenever these controls are technologically incapable of reducing worker exposures to lead to 50 µg/m3 or below.
Washington Department of Labor and Industries	http://www.lni.wa.gov/Safety/Rules/Policies/pdfs/WRD225.pdf	Focused Inspections In Construction 17 Nov 06
Universities/ Respiratory Protection Programs	31	
Algonquin College	http://www.algonquincollege.com/physical_resources/ Document%20Inserts/Occupational%20Health%20&9 20Safety%20Programs/Respiratory%20Protection%2 Program.pdf	Selection of the proper respirator(s) to be used in any work area or operation at Algonquin College is made only after a determination has been made as to the real and/or potential exposure of employees to harmful concentrations of contaminants in the workplace atmosphere. This evaluation will be performed prior to the start of any routine or non-routine tasks requiring respirators. 9/1/2003
Brigham Young University	http://safety.byu.edu/safety_programs/RespiratoryProct.htm	THIS Program is under CONSTRUCTION as of 04/11/2007! Questions contact Kerry Smith 422-2943
California State University Northridge	http://www- admn.csun.edu/ehsr/ehs/programs/respiration_pgm.h m	The requirements of this program apply to university employees who may use respiratory protective devices 12/2/03
Colgate University	http://offices.colgate.edu/chemmgt/respiratoryprotectionwp.html	The use of respirators at Colgate University is subject to prior review and approval by the Program Coordinator. Any individual who has received approval by the Program Coordinator to use a respirator must be enrolled in the Respiratory Protection Program.
Colorado State University	http://www.ehs.colostate.edu/WResp/Home.aspx	Every Colorado State University employee who wears respiratory protection must participate in the Respiratory Protection Program. Detailed information about the Respiratory Protection Program can be four in the Respiratory Protection Procedures. 5/7/07
Cornell University	http://www.ehs.cornell.edu/ochs/rpp.htm	The Cornell University Respiratory Protection Program, through the requirements described in this manual, establishes a program for the use of respirators. The criteria is designed for those University personnel who, during their normal duties, are or could be exposed to hazardous substances or atmospheres that may affect their well being or their health, or that may otherwise be detrimental to their safety.
Department of Environmental Health and Safety (DEHS) / University of Minnesota	http://www.dehs.umn.edu/safety/rpp/	The Respiratory Protection Program has been established to protect the health of workers who wear respirators and assure compliance with State and Federal law. General respiratory protection requirements a found in the Code of Federal Regulations at 29 CFR 1910.134; additional requirements are found in industry and substance specific worker protection standards.
Indiana University	http://www.ehs.indiana.edu/osha/respiratory.pdf	The purpose of this Respiratory Protection Program is to: Protect IU personnel from identified inhalation exposure hazards; and, Comply with Indiana University safety and health policy and applicable OSHA standards. 10/15/01

## **Respiratory Training Programs**

Organization / Topic	URL	Remarks
Iowa State University	http://www.ehs.iastate.edu/publications/manuals/respiator.pdf	Iowa State University is responsible for ensuring the safety of its employees and for complying with all applicable requirements of state and federal regulations. Because of the importance the administration places on safety, ISU employees at all levels to are encouraged to promote positive attitudes regarding safety, incorporate safety into their work practices, and cooperate fully in the implementation of safety-related programs. 4/1/02
Michigan Technological University	http://www.admin.mtu.edu/fm/oshs/respirator_program/index.htm	Employees who are required to wear a respirator do so at no cost to them. The expense associated with training, medical evaluations, and respiratory protection equipment will be born by MTU.
New Mexico State University	http://www.nmsu.edu/~safety/programs/indust_safety/ NMSU_Respirator_Program.pdf	NMSU Environmental Health and Safety (EH&S) will conduct training and fit-testing in order to qualify users prior to wearing respirators and annually thereafter. Technical assistance such as air sampling and analysis may be conducted by staff Industrial Hygienists, Safety Specialists, or Safety Officers. 5/1/01
North Seattle Community College	http://northonline.sccd.ctc.edu/rpp/	NSCC has determined that some of its employees are or can be exposed to respiratory hazards. The purpose this program is to ensure that all employees are protected from exposure to these hazards.
Oklahoma State University	http://www.pp.okstate.edu/ehs/manuals/Rsprator.htm	The purpose of the Respiratory Protection Program is to ensure that all employees have adequate respiratory protection in the workplaces on the Oklahoma State University campus where engineering controls or work practices that are inadequate or not feasible to reduce the exposure to airborne contaminates. 4/1/02
Princeton University	http://web.princeton.edu/sites/ehs/healthsafetyguide/C 4.htm	The use of respirators at Princeton University is subject to prior review and approval by EHS, per University policy. The OSHA Respiratory Protection Standard regulates any use of respiratory protection. 1/11/07
University of Delaware	http://www.udel.edu/OHS/respiratory.html	The University's Respiratory Protection program is established to protect individuals from exposure to respirable contaminants in the work place. In general, the use of respiratory protection is only allowed when respirable hazards cannot be eliminated through substitution or engineering controls. All use of respiratory equipment must be approved by the Department of Occupational Health and Safety.
University of Florida	http://www.ehs.ufl.edu/General/resppol.pdf	The Division of Environmental Health and Safety (EH&S) administers this program as part of its mission to maintain employee health and safety throughout all University of Florida (UF) locations. 2/1/03
University of Guelph	http://www.uoguelph.ca/ehs/policies/05-06.pdf	To outline University policy regarding the use of approved respiratory protection to protect employees from airborne hazardous contaminants. 9/1/00
University of Louisville	http://louisville.edu/admin/dehs/RPP/respiratoryprogram.htm	This document applies to University of Louisville personnel who are required to wear respirators and those who choose voluntarily to use respirators. 1/1/03
University of Maryland	http://www.des.umd.edu/os/respirator/manual/index.h	The University of Maryland shall establish procedures for the selection, use and care of respiratory protective devices. When respirators are to be used, all requirements contained within the UM Respiratory Protection Program shall be followed. 2007
University of North Carolina at Chapel Hill	http://ehs.unc.edu/workplace_safety/respiratory/index html	The University of North Carolina Respiratory Protection Program provides respirators to protect the health of employees in accordance with OSHA 1910.134. The program includes medical surveillance, training, and fittesting. 8/2/06
University of Pennsylvania	http://www.ehrs.upenn.edu/programs/occupat/upennrsp.html	The purpose of this program is to ensure that all University of Pennsylvania employees and students are protected from exposure to these respiratory hazards. 10/20/05

Organization / Topic	URL	Remarks
University of Pittsburgh		This University of Pittsburgh Respirator Program contains guidelines for administering an effective respiratory protection program and provides the information, training, and equipment necessary for proper selection, use and maintenance of respirators. The Program is updated annually to address the changing needs of the University along with federal regulatory revisions as listed below in the reference section. This document serves as a standard operating procedure (SOP) for faculty. 1/1/03
University of Southern California (USC)	http://capsnet.usc.edu/EHS/OccupationalSafety/RespatoryProtection/index.cfm	The purpose of this Program is to protect university personnel from hazardous airborne contaminants, and to meet regulatory requirements regarding respiratory protection. This document provides guidelines for the selection, use and maintenance of respirators throughout the University. 8/9/04
University of Tennessee	http://web.utk.edu/~ehss/resp/resp1.htm	The primary focus of this written program is to provide guidance in the proper use of respirators. The intent this document is educational, preventive and to fulfill the requirements for a written control plan required by the Occupational Safety and Health Act (OSHA), Title 29 of the Code of Federal Regulations, 1910.134. 4/22/98
University of Texas Health Science Center at San Antonio	http://www.uthscsa.edu/safety/respiratory.pdf	This program establishes a respiratory protection plan to ensure the protection of all UTHSCSA faculty, staff, students and visitors from respiratory hazards through the proper use of approved respirators. This document outlines the institutional policies necessary to meet the regulatory intent for the proper use of approved respirators where engineering controls of respiratory hazards are not feasible or effective, while engineering controls are being installed or for emergency or other temporary situations. 7/1/04
University of Utah	http://www.utahehs.org/index.php?tier=4&id=245	This document communicates the University's strategy for compliance with OSHA's Respiratory Protection Standard 29 CFR 1910.134 . It applies to all operations and employees of the University.
University of Wisconsin at Green Bay		The purpose of this program is to ensure the protection of all UW-Green Bay employees from respiratory hazards in the workplace through proper use of respirators. 1/1/05
University of Wisconsin at Milwaukee	http://www.uwm.edu/Dept/EHSRM/IEH/RESPIRATOR/PPS_Program.html	Respirator Program for the Carpentry, Masonry, Painting, Facilities Maintenance and Mechanical Shops Revised December, 2003
Virginia Polytechnic and State University	http://www.ehss.vt.edu/Programs/OHIH/Resp/respirateryprogram.htm	All Virginia Tech employees are eligible to receive a wide variety of services through Environmental, Healt and Safety Services free of charge.
Washington State University	http://www.wsu.edu/manuals_forms/HTML/SPPM/S80 Occupational Health/S80.80 Respiratory Protection Program.htm	To help ensure the health of employees at Washington State University, Environmental Health and Safety (EH&S) administers the respiratory protection program. 10/1/04
Weill Medical College of Cornell University's ("WMC") Environmental Health and Safety (EHS) Program	http://www.med.cornell.edu/ehs/manuals/7.1 Respirationy Protection Program.pdf	This document shall serve as the Weill Medical College of Cornell University's (WCMC) formal written program. This program shall be routinely reviewed by Environmental Health and Safety (EHS) personnel to address its efficacy and maintain provisions as deemed necessary.

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